## §35.57 Authorization for calibration and reference sources.

Any person authorized by §35.11 of this part for medical use of byproduct material may receive, possess, and use the following byproduct material for check, calibration, and reference use:

- (a) Sealed sources manufactured and distributed by a person licensed pursuant to §32.74 of this chapter or equivalent Agreement State regulations and that do not exceed 15 millicuries each;
- (b) Any byproduct material listed in §§ 35.100 or 35.200 with a half-life not longer than 100 days in individual amounts not to exceed 15 millicuries;
- (c) Any byproduct material listed in §§ 35.100 or 35.200 with a half-life longer than 100 days in individual amounts not to exceed 200 microcuries each; and
- (d) Technetium-99m in individual amounts not to exceed 50 millicuries.

## § 35.59 Requirements for possession of sealed sources and brachytherapy

- (a) A licensee in possession of any sealed source or brachytherapy source shall follow the radiation safety and handling instructions supplied by the manufacturer, and shall maintain the instructions for the duration of source use in a legible form convenient to users.
- (b) A licensee in possession of a sealed source shall:
- (1) Test the source for leakage before its first use unless the licensee has a certificate from the supplier indicating that the source was tested within six months before transfer to the licensee; and
- (2) Test the source for leakage at intervals not to exceed six months or at other intervals approved by the Commission or an Agreement State and described in the label or brochure that accompanies the source.
- (c) To satisfy the leak test requirements of this section, the licensee must:
- (1) Take a wipe sample from the sealed source or from the surfaces of the device in which the sealed source is mounted or stored on which radioactive contamination might be expected to accumulate or wash the source in a small volume of detergent

solution and treat the entire volume as the sample:

- (2) Take teletherapy and other device source test samples when the source is in the "off" position; and
- (3) Measure the sample so that the leakage test can detect the presence of 0.005 microcuries of radioactive material on the sample.
- (d) A licensee shall retain leakage test records for five years. The records must contain the model number, and serial number if assigned, of each source tested, the identity of each source radionuclide and its estimated activity, the measured activity of each test sample expressed in microcuries, a description of the method used to measure each test sample, the date of the test, and the signature of the Radiation Safety Officer.
- (e) If the leakage test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall:
- (1) Immediately withdraw the sealed source from use and store it in accordance with the requirements in parts 20 and 30 of this chapter; and
- (2) File a report within five days of the leakage test with the appropriate NRC Office listed in §30.6 of this chapter, with a copy to Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555, describing the equipment involved, the test results, and the action taken.
- (f) A licensee need not perform a leakage test on the following sources:
- (1) Sources containing only byproduct material with a half-life of less than 30 days;
- (2) Sources containing only byproduct material as a gas;
- (3) Sources containing 100 microcuries or less of beta or gamma-emitting material or 10 microcuries or less of alpha-emitting material;
- (4) Sources stored and not being used. The licensee shall, however, test each such source for leakage before any use or transfer unless it has been leakagetested within six months before the date of use or transfer; and
- (5) Seeds of iridium-192 encased in nylon ribbon.
- (g) A licensee in possession of a sealed source or brachytherapy source